

NOTES ON COCCINELLIDÆ WITH A DESCRIPTION OF A NEW SUBSPECIES, (COLEOPTERA)

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This paper contains the description of a new subspecies of Coccinellidæ and notes on a species described by Crotch from Mexico collected at College Station, Texas.

***Hyperaspis fimbriolata* Melsh. *marginatus* new subspecies**

Broadly oblong-oval; head usually black often tinged with yellow anteriorly in female, reddish-yellow in male; thorax black margined with reddish-yellow in female, reddish-yellow in male narrowly darker at base, sparsely punctate; elytra entirely black with a yellow marginal vitta extending from the base to near the suture, curving slightly inward shortly before the apex, leaving the elytral margin narrowly black on about the apical fifth, more closely and coarsely punctate than thorax; underside blackish, abdomen tinged with red along the side margins and apex, legs wholly pale yellow.

Length, male 2.5 mm.; female 2.5 to 3 mm.

Type.—United States National Museum.

Described from 40 specimens in my collection collected from weed sweepings at College Station, Texas, during May, 1932.

The thorax of *marginatus* is black margined with reddish-yellow in female and almost wholly reddish-yellow in male while the thorax of *fimbriolata* is wholly black in female and black margined with yellow in male. The elytral marginal vitta is slightly narrower in *marginatus* than in *fimbriolata*. The legs are wholly pale in *marginatus* while the legs are only partially pale in *fimbriolata*. Dr. E. A. Chapin and Dr. Th. Dobzhansky report that this subspecies represents the southeastern race of *H. fimbriolata*.

From March 19 to April 27, 1931, I collected 34 specimens of a species of Coccinellidæ on arborvitæ plants that were heavily infested with *Dilachnus* sp. at College Station, Texas. Dr. Chapin reports that there is no species in the Casey collection

or otherwise known to him that corresponds to this species, but that it is possibly *Cleis concolor* Cr., described from Mexico.

Cleis concolor Crotch, 1874, p. 142.

"Orange yellow, pectus black, head with two black dots on the vertex, thorax paler with a discoidal Y (of which the branches do not join the stem) and a basal triangle on either side black; elytra uniformly orange, punctuation evident. L. $1\frac{1}{2}$ lin. Mexico (Deyrolle)."

The species collected at College Station, Texas, is broadly oval, convex. The head is yellow with two interrupted black vittæ. The spots on the thorax differ from *C. concolor* in that they are generally united forming the characteristic, irregular design with a large M-shaped central figure. The elytra are sparsely, uniformly punctate, and pale orange yellow in color. The underside is black, epipleura yellow, prosternum yellow, mesosternum and side pieces yellow; metasternum black, bordered with yellow medially along the anterior margin, meta-episternum largely black, epimeron yellow, legs black, tarsi and apex of tibiæ yellow.

Length, male 5 to 5.5 mm.; female 5 to 6 mm.

The description of *C. concolor* Cr. does not fit the species collected at College Station in all details, but it is expedient to list the species as *C. concolor* until a study of the type can be made.